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(54) Title: SMART CONTRACT NETWORK TO ENABLE REAL-TIME SWAPPING OF DIGITAL ASSETS USING MINTING ON-DEMAND

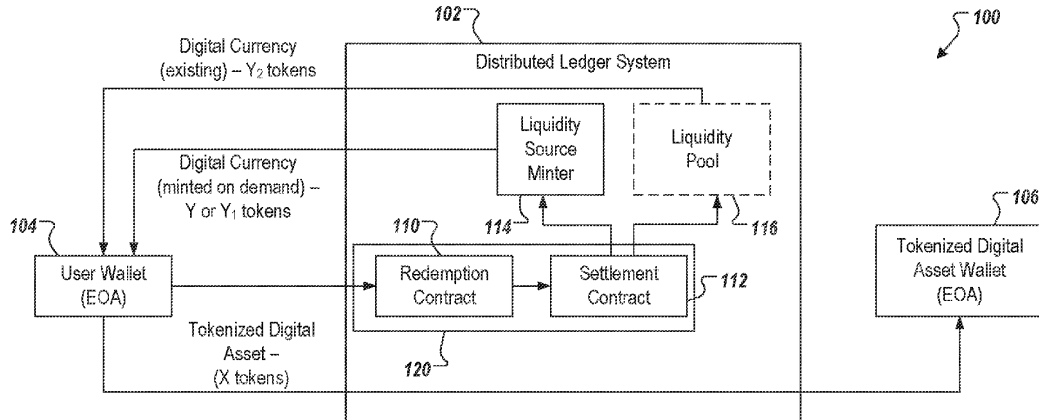


FIG. 1

(57) Abstract: Implementations of the present disclosure can include actions of receiving, by a first smart contract and from a first account, a redemption request for a swap transaction to redeem an amount of the first digital asset for an amount of the second digital asset, responsive to the redemption request, initiating, by the first smart contract, a transfer of a first number of tokens of the first digital asset from the first account to the second account, and notifying, by the first smart contract, a second smart contract, and in response to notification by the first smart contract, initiating, by the second smart contract, minting of the second number of tokens of the second digital asset and transfer of the second number of tokens of the second digital asset to the first account.

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